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| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A FILING UNDER 35 U.S.C. 371</b>  |   | ATTORNEY'S DOCKET NUMBER<br><br><b>57.0478 US PCT</b><br>U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br><b>10/522350</b> |
| INTERNATIONAL APPLICATION NO.<br><br><b>PCT/GB2003/002991</b>  | INTERNATIONAL FILING DATE<br><br><b>10 July 2003 (10.07.2003)</b> | PRIORITY DATE CLAIMED<br><br><b>25 July 2002 (25.07.2002)</b>  |
| TITLE OF INVENTION<br><b>METHODS AND APPARATUS FOR THE MEASUREMENT OF HYDROGEN SULPHIDE AND THIOLS IN FLUIDS</b>   |   |  |
| APPLICANT(S) FOR DO/EO/US<br><b>JIANG, Li, JONES, Timothy Gareth John, LAWRENCE, Nathan, THOMPSON, Mary, and COMPTON, Richard</b>  |   |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  |   |  |
| <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International application as filed (35 U.S.C. 371(c)(2))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> <p><b>Items 11 to 20 below concern document(s) or information included:</b></p> <ol style="list-style-type: none"> <li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A preliminary amendment.</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76..</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.</li> <li>18. <input checked="" type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). (<b>WO 2004/011929 A1</b>)</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information: <b>PCT/IB/308 Notice Informing Applicant of the Communication of the International Application to the Designated Offices</b></li> </ol> |   |  |

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5)

INTERNATIONAL APPLICATION NO

ATTORNEY'S DOCKET NUMBER

**10/522350****PCT/GB2003/002991****57.0478 US PCT**

|   |              |   |            |               |                  |
|---|--------------|---|------------|---------------|------------------|
| 21. The following fees are submitted:   |              |   |            | Applicant Use | Office use only  |
| <input checked="" type="checkbox"/> a) Basic national fee ..... \$300.00  |              |   |            | \$ 300.00     |                  |
| <input checked="" type="checkbox"/> b) Examination fee ..... \$200.00   |              |   |            | \$ 200.00     |                  |
| <input checked="" type="checkbox"/> c) Search fee ..... \$500.00  |              |   |            | \$ 500.00     |                  |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>  |              |   |            | \$ 1000.00    |                  |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof |              |   |            |               |                  |
| Total Sheets  | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | Rate       |               |                  |
| - 100 =   | /50 =        |   | x \$250.00 | \$            |                  |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).  |              |   |            | \$ 130.00     |                  |
| CLAIMS  | NUMBER FILED | NUMBER EXTRA  | RATE       |               |                  |
| Total claims  | 32 - 20 =    | 12  | x \$50.00  | \$ 600.00     |                  |
| Independent claims  | 3 - 3 =      | 0   | x \$200.00 | \$            |                  |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)   |              |   | + \$360.00 | \$            |                  |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>  |              |   |            | \$            |                  |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.  |              |   |            | \$            |                  |
| <b>SUBTOTAL =</b>   |              |   |            | \$            |                  |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).   |              |   |            | \$            |                  |
| <b>TOTAL NATIONAL FEE =</b>   |              |   |            | \$            |                  |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +  |              |   |            | \$            |                  |
| <b>TOTAL FEES ENCLOSED =</b>  |              |   |            | \$            |                  |
| Amount to be refunded:  |              |   |            |               | \$               |
| Amount to be charged  |              |   |            |               | <b>\$1730.00</b> |

- a. ☐ A check in the amount of \$\_\_\_\_\_ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. **19-0615** in the amount of **\$1730.00** to cover the above fees. A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. **19-0615**. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.**

SEND ALL CORRESPONDENCE TO:

Intellectual Property Law Department  
 Schlumberger Doll Research  
 36 Old Quarry Road  
 Ridgefield, CT 06877-4108  
 24 January 2005

SIGNATURE

William B. Batzer

NAME

37,088

REGISTRATION NUMBER

10/522350

PATENT  
DT05 Rec'd PCT/PTO 24 JAN 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

|  |   |                           |
|--|---|---------------------------|
| In re Application of                   | ) | CUSTOMER NO.: 37003       |
|  | ) |                           |
| JIANG, Li; JONES, Timothy Gareth John; | ) |                           |
| LAWRENCE, Nathan; THOMPSON, Mary and   | ) | 24 JAN 2005               |
| COMPTON, Richard                       | ) |                           |
|  | ) |                           |
| Appl. No.: To be Assigned              | ) | Group Art Unit:           |
| Int'l Appl No.: PCT/GB2003/002991      | ) |                           |
|  | ) |                           |
| Filing Date: 24 January 2005           | ) | Examiner:                 |
| Int'l Filing Date: 10 July 2003        | ) |                           |
|  | ) |                           |
| Title: METHODS AND APPARATUS FOR THE   | ) | Docket N°: 57.0478 US PCT |
| MEASUREMENT OF HYDROGEN SULPHIDE       | ) |                           |
| AND THIOLS IN FLUIDS                   | ) |                           |

EXPRESS MAIL CERTIFICATE  
UNDER 37 CFR §1.10

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

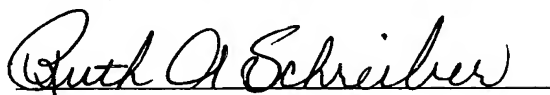
Sir:

Express Mail Label Number: EV 058371305 US

Date of Deposit: 1-24-05

I hereby certify that the attached US national patent application and fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and is addressed to Mail Stop PCT, Assistant Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

(Signature)  
(Print Name)

  
Ruth A. Schreiber

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